

WHITE PAPER

Sony Ericsson Jalou

August 2009



Sony Ericsson

Purpose of this document

Sony Ericsson product White papers are intended to give an overview of a product and provide details in relevant areas of technology.

Document history

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Sony Ericsson Developer World

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Product overview

Jalou – Get used to getting noticed

Extend your wardrobe with the exquisite facet-cut Jalou. Not taller than a lipstick, it slips easily into the smallest evening purse or jacket pocket. A neat item for a grand presence. Wear it. Flash it. Get noticed. Life's a stage and you're on it.

Sharing la vida loca

Share the good life, the laughs, the gossip, the news. Chat on the treadmill, text in the taxi, blog in the bistro. Take shots of the people you love in places you love to hang out at. Then send them to those who weren't there. At 3.45 am? Sure!

Mirror, mirror, on the phone

Bad hair day or just bad weather? Don't worry. Turn on the mirror of the Jalou and check your locks and looks right away. That's how you stay the fairest of them all.

Follow the stars into the future

Charismatic as a true Leo? Or are you a Gemini, always thirsty for new adventures? The ever-changing zodiac theme displays the current star sign every hour bringing life and fascinating graphics to your standby screen.

Take the next step. Or chill out










The Walk Mate step counter helps you get your curves in shape. Are 10,000 steps a day what you need? Enter weight and height, and calculate your Body Mass Index to get a hint. Or just keep your high-heels on, relax and order another cappuccino.



Facts – dimensions, weight, performance and networks

Size	73 x 45 x 18.2 mm
Weight	84 grams
Available colours	Onyx black Deep Amethyst Aquamarine Blue
Main screen	
Colours	262,144 colour TFT
Resolution	240 x 320 pixels (QVGA)
Size (diagonal)	2.0 inches
External screen	1.1 inch monochrome LCD, 128 x 36 pixels
Memory	
Phone memory	Up to 100 MB
Memory card support	microSD™
Networks	
Jalou	UMTS HSDPA 2100 (Band I) GSM GPRS/EDGE 850, 900, 1800, 1900
Data transfer speeds	
GSM GPRS (Class 10)	Up to 48 kbps
GSM EDGE (Class 10)	Up to 237 kbps
UMTS HSPA (upload)	N/A
UMTS HSPA (download)	Up to 3.6 Mbps (downlink, HSDPA, cat 6)
Talk time (GSM)	Up to 7 hours
Standby time (GSM)	Up to 350 hours
Talk time (UMTS)	Up to 4.5 hours
Standby time (UMTS)	Up to 250 hours
Video call time	Up to 2 hours

Full feature list – categorized list of features

 <p>Camera 3.2 megapixel camera 3.2x digital zoom (VGA mode only) Geo tagging Photo feeds Photo fix Picture blogging Video light Video blogging Video recording</p>	 <p>Music Bluetooth™ stereo (A2DP) Media player MEGA BASS™ Music tones (MP3/AAC) PlayNow™ TrackID™</p>	 <p>Web Access NetFront™ web browser Bookmarks Google™ search Pan & zoom Web feeds Web search (from standby) HTML 4.01 XHTML 1.1</p>
 <p>Communication Call list Conference calls Polyphonic ringtones Speakerphone Vibrating alert Video calling (main camera)</p>	 <p>Messaging Conversations Email Microsoft Exchange ActiveSync® Instant messaging Picture messaging (MMS) Predictive text input Sound recorder (amr) Text messaging (SMS) Unified messaging</p>	 <p>Design Activity menu key Auto rotate Media browser Navigation key Picture wallpaper Wallpaper animation</p>
 <p>Entertainment 3D games FM radio with RDS Java™ Media Motion gaming Video streaming Video viewing Walk mate YouTube™</p>	 <p>Organiser Alarm clock Calculator Calendar Flight mode Notes Phone book Stopwatch Tasks Timer</p>	 <p>Connectivity Bluetooth™ technology Google Maps™ Modem Synchronization USB mass storage USB support</p>

Technologies in detail

***NOTE:** The information outlined below is general and levels of compliance to standards and specifications may vary between products and markets. For more information, contact Sony Ericsson Developers World or your Sony Ericsson contact person where applicable.

Device-to-device communications (local)

Bluetooth wireless technology

Bluetooth™ profiles supported	Advanced Audio Distribution Profile Audio/Video Remote Control Profile Basic Imaging Profile Dial-up Networking Profile File Transfer Profile Generic Access Profile Generic Object Exchange Profile Handsfree Profile Headset Profile Human Interface Device Profile Object Push Profile Personal Area Networking Profile Phonebook Access Profile Serial Port Profile Synchronization Profile SyncML OBEX binding
Connectable devices	All products supporting Bluetooth spec. 1.1, or higher, and at least one of the profiles above

More information:

www.sonyericsson.com/developer

<http://www.bluetooth.com>

Java™

Java™ Platform, Micro Edition	JSR-75 PDA Optional Packages for J2ME™ JSR-82 Bluetooth Wireless Technology API JSR 118 MIDP 2.0 JSR-120 Wireless Messaging API JSR-205 Wireless Messaging API 2.0 JSR-135 Mobile Media API 1.1 JSR 139 CLDC 1.1 JSR-172 J2ME™ Web Services Specification JSR-177 Security and Trust Services API for J2ME™ JSR-180 SIP API for J2ME™ JSR-184 Mobile 3D Graphics API for J2ME™ JSR 185 Java™ Technology for the Wireless Industry JSR-211 Content Handler API JSR-226 SVG API for J2ME™ JSR-229 Payment API JSR-234 Advanced Multimedia Supplements JSR-238 Mobile Internationalization API JSR-239 OpenGL ES JSR-248 Mobile Services Architecture JSR-256 Mobile Sensor API (accelerometer) Nokia UI Extension API
Java 3D	Mascot Capsule Micro3D Version 3 JSR-239 OpenGL ES JSR-184 Mobile 3D Graphics API for J2ME™

Messaging

(MMS) Multimedia Messaging Service

According to OMA Multimedia Messaging Service v1.2 + SMIL

Email

Bearer type (IP)	GSM Data (IP) GPRS and HSCSD
Character sets	USASCII UTF-7 UTF-8 UTF-16 UTF-17LE UTF-16BE UCS-2 / ISO10646 UCS2 ISO-8859-1 ISO-8859-2 Eastern Europe ISO-8859-5 Cyrillic ISO-8859-7 Greek ISO-8859-9 Turkish ISO-8859-10 Nordic ISO-8859-11 Thai ISO-8859-15 Western MR5 KOI8 GB18030 Simplified Chinese GB2312 Simplified Chinese BIG5 ISO2022JP Windows 1251 Cyrillic Windows 1252 Windows 1254 Turkish Windows 1255 Hebrew Windows 1258 Vietnamese Shift JIS Note: GB2312 is only available in Simplified chinese variants only, i.e. China variants. BIG5 is only available in Traditional chinese variants, i.e. Hong Kong and Taiwan variants.
OTA provisioning solution	OMA Client Provisioning 1.1
Protocols	POP3, SMTP and IMAP4
Push email	IMAP IDLE (extension of IMAP4 Rev1), OMA Email Notification 1.0 and scheduled checking, Exchange Active-Sync® (EAS)
Secure email	SSL/TLS, both port methods (POPS/IMAPS) and START-TLS
HTML mail	Yes

More information:

www.sonyericsson.com/developer

<http://www.openmobilealliance.org>

Multimedia

Audio & Video

Audio Playback	Decoder format Audio decoding MPEG-1/2/2.5, audio layer 3 AAC, AAC+, eAAC+ AMR-NB AMR-WB AMR-WB+ WMA version 2,7,8: Class 1 WMA version 9: Level 3 WMA Pro (profile M0a) General MIDI (GM) GML SP-MIDI DLS (Mobile DLS supported) Linear/A-law/-law PCM iMelody	Supported in file format MP3 (.mp3) 3GP (.3gp); AAC (.aac); MP4 (.mp4, .m4a) 3GP (.3gp); AMR (.amr) 3GP (.3gp); AMR (.amr) ; AMR-WB (.awb) 3GP (.3gp); AMR (.amr) ; AMR-WB (.awb) WMA (.wma) WMA (.wma) WMA (.wma) SMF (.mid) SMF (.mid) SMF(.mid); XMF (.xmf, .mxmf) XMF (.xmf) WAV (.wav) iMelody (.imy)
Audio Recording	Encoder format AMR-NB AAC-LC	Supported in file format AMR (.amr) MP4 (.m4a)
Video Playback	Decoder format MPEG-4 Visual Simple Profile H.264 Baseline Profile H.263 Profile 0 VC-1 (WMV9)	Supported in file format 3GP (.3gp); MP4(.mp4) 3GP (.3gp); MP4(.mp4) 3GP (.3gp) ASF (.asf, .wmv)
Video Recording	Encoder format - Video: H.263 Profile 0 - Audio: AMR-NB" - Video: MPEG-4 Visual Simple Profile - Audio: AAC-LC"	Supported in file format 3GP (.3gp) MP4 (.mp4)
Audio/Video Streaming	Streaming transport	RTSP according to 3GPP™
DRM	DRM (Digital Rights Management) features the rights and copy protection of downloaded content.	OMA DRM 1.0, 2.0, 2.1 Microsoft DRM Janus

Audio & Video

Audio Playback	Decoder format	Supported in file format
	Audio decoding MPEG-1/2/2.5, audio layer 3 AAC, AAC+, eAAC+	MP3 (.mp3)
	AMR-NB AMR-WB	3GP (.3gp); AAC (.aac); MP4 (.mp4, .m4a) 3GP (.3gp); AMR (.amr) 3GP (.3gp); AMR (.amr) ; AMR-WB (.awb)
	AMR-WB+	3GP (.3gp); AMR (.amr) ; AMR-WB (.awb)
	WMA version 2,7,8: Class 1 WMA version 9: Level 3 WMA Pro (profile M0a) General MIDI (GM) GML SP-MIDI DLS (Mobile DLS supported) Linear/A-law/-law PCM iMelody	WMA (.wma) WMA (.wma) WMA (.wma) SMF (.mid) SMF (.mid) SMF(.mid); XMF (.xmf, .mxmf) XMF (.xmf) WAV (.wav) iMelody (.imy)

Provisioning (OMA CP, OMA DM)

OMA CP version 1.1

OMA DM version 1.1.2, 1.2

Related information

www.sonyericsson.com/developer

Synchronisation (OMA DS, EAS)

OMA Data Synchronization protocol versions 1.1.2 and 1.2

OMA Data Formats: vCard 2.1, vCalendar 1.0, vBookmark 1.0, notes as text/plain

Microsoft Exchange ActiveSync® protocol version 2.5

Web browser

Browser version	Access NetFront 3.4
Bookmarks	Folders and sorting supported
Bookmark export/import	Bookmarks can be sent and received using vBookmark format using Bluetooth™, SMS, MMS and email
Navigation/rendering	Pan & Zoom Landscape/portrait rendering Full page PC rendering
Search	Internet Search Find on web page
Web feeds	Feeds detection in Browser Feeds ticker on Idle Screen Feeds reader Podcasting
Web albums	Publish to Picasa Publish to a social site Publish to Blogger
Browser compliancy	HTML version. 4.01 XHTML Basic version 1.0 XHTML version 1.1 XHTML Mobile Profile version 1.1 WML 1.3 CSS 2.1 WCSS Version 26-Oct-2001 ECMA-script 262 3 :rd edition ECMAScript Mobile Profile 1.0 HTTPXMLRequest AJAX DOM 2.0 SVG Tiny, version 1.2
Protocol Compliancy	HTTP/1.1 TLS 1.0 and SSL 3.0 OMA Download 1.0 RSS 2.0

Related information

www.sonyericsson.com/developer

http://www.access-company.com/products/mobile_solutions

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